

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 12, line 18, with the following rewritten paragraph.

-- In addition, the stream transmitting portion 15 assigns the transmission times to the real time streams ~~are assigned~~ so that the packets of the real time streams RS1, RS2, and RS3 can be transmitted at constant intervals. When the transmission times of the packets of the plurality of streams overlap, the transmission order of the packets of the real time streams RS1, RS2, and RS3 is decided so that the jitters thereof become minimal. The packets of the non-real time stream NS1 are transmitted on best effort basis so that the packets of the non-real time stream NS1 do not adversely affect the transmissions of the packets of the real time streams RS1, RS2, and RS3 and that the delay times of the packets of the non-real time stream NS1 become minimal. Next, the stream transmitting portion 15 that performs the forgoing operation will be described in detail. --

Please replace the paragraph beginning at page 15, line 6, with the following rewritten paragraph.

-- The time at which the value of the interval counter 41 becomes "0" is a scheduling time. When the value of the interval counter 41 becomes "0", ~~it~~the interval counter 41 outputs a transmission request to the scheduler 35. The transmission request causes the scheduler 35 to permit the buffer memory 31 to transmit a packet. As a result, the buffer memory 31 outputs the packet Pa1 (unless it does not overlap with the transmissions of packets of other streams). --

Please replace the paragraph beginning at page 16, line 18, with the following rewritten paragraph.

-- Whenever the predetermined time intervals have elapsed, the buffer memories 31, 32, and 33 that store the packets of the real time streams RS1, RS2, and RS3, respectively, send

transmission requests to the scheduler 35. When a packet is input to the buffer memory 34 that stores the non-real time stream NS1, ~~it send the buffer memory 34 sends~~ a transmission request to the scheduler 35. Thus, when the transmission requests for the packets of the real time streams RS1, RS2, and RS3 and the non-real time stream NS1 are output, the transmission times thereof may overlap. --